







Contents

Message from the Executive Director	4
Environmental Quality Board	5
Board Rulemaking Activities	6
Air Quality Advisory Council	7
Hazardous Waste Management Advisory Council	8
Hazardous Waste Fund	9
Water Quality Management Advisory Council	10
Radiation Management Advisory Council	11
Solid Waste Management Advisory Council	12
Solid Waste Fees Budgeted and Expended	13
Mission Statement	14
Employees of the Quarter and Year	15
Organizational Chart	16
Agency Budget	17
Environmental Quality Report	18
Agency Statistics	26

Message from the Executive Director



DEQ was founded to protect Oklahoma's public health and the environment. Through innovation and perseverance, our employees have gone above and beyond to overcome challenges and ensure the health and safety of all Oklahomans.

DEQ staff continually implement new ways of protecting public health. The Lead Testing in Schools and Child Care Facilities program, for example, will protect the children of Oklahoma now and for generations to come by ensuring they have lead-free drinking water in the environments where they spend much of their time.

Over the past year, the State Environmental Laboratory (SELS) acquired new equipment, greatly expanding its analytical capabilities. SELS also purchased a mobile laboratory unit funded through an EPA grant, enabling DEQ scientists to perform on-site testing resulting in increased efficiency during event response.

The Brownfields Program has continued to clean up environmental contamination at former commercial and industrial properties, allowing these sites to be safely reused and providing a boon to local economies. Thanks to the incredible work of our Brownfields team over the years, Oklahoma City was chosen as the site of the 2022 National Brownfields Conference, an event which brings together participants from local, state, and federal agencies across the country, as well as participants from the private sector, to learn and further develop their environmental remediation skills.

DEQ has numerous programs that benefit public health and safety in Oklahoma including: air quality monitoring, testing for mercury in fish, tire recycling, radiation and hazardous waste management, and many more. From radon testing in homes, to cleaning up illegal dumps, to issuing health advisories via email, text, and social media, everything DEQ does is done with public health in mind.

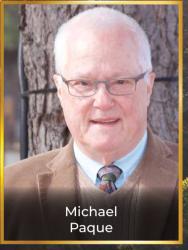
Our staff is committed to protecting Oklahoma's air, land, and water resources now and for the future. They have worked diligently to overcome obstacles, institute new procedures, and protect public health and the environment. I am proud of their dedication and know we will continue to improve and adapt to protect all Oklahomans.

Sincerely,

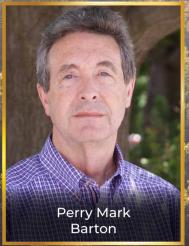
Scott A. Thompson

Environmental Quality Board











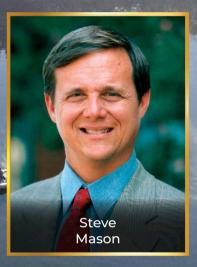


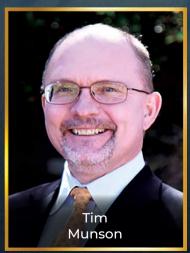


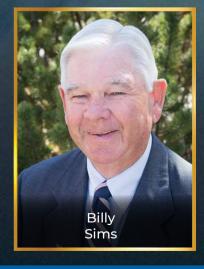












The Oklahoma Legislature established the Environmental Quality Board (EQB), comprised of Oklahoma citizens, to provide guidance to the Oklahoma Department of Environmental Quality (DEQ). Board members have a variety of backgrounds in manufacturing, hazardous waste management, solid waste management, petroleum industry, agriculture, local government, engineering, conservation, rural water systems, and statewide environmental groups. These members are appointed by the Governor and confirmed by the Senate and serve a five-year term. Responsibilities of the board include the appointment of DEQ's Executive Director and the adoption of rules that determine operation of the department.

Board Rulemaking Activities

Ch	apter	Council	Description	Adopted	Туре	Effective		Chapter	Council	Description	Adopted	Type	Effective
100), SC 2, pendix Q	Air Quality Advisory Council	Amended OAC 252:100, Air Pollution Control, to reflect the latest date of incorporation of EPA regulations in Appendix Q relating to the National Emission Standards for Hazardous Air Pollutants (NESHAP) and New Source Performance Standards (NSPS)	EQB 11-14-21 Governor signed 6-21-22	Permanent	9-15-22		301	Water Quality Management Advisory Council	Amended OAC 252:301, Laboratory Accreditation, to update incorporation by reference of EPA analytical methodologies, including alternate methods, and other changes to align with the updates.	EQB 2-18-22 Governor signed 6-21-22	Permanent	9-15-22
100	o, sc 8	Air Quality Advisory Council	Amended OAC 252:100, Air Pollution Control, to amend and simplify the recordkeeping requirements for facilities subject to prevention of significant deterioration (PSD). This proposed rulemaking is in response to	EQB 11-14-21 Governor signed 6-21-22	Permanent	9-15-22		302	Water Quality Management Advisory Council	Amended OAC 252:302, Field Laboratory Accreditation, to update incorporation by reference of EPA analytical methodologies, including alternate methods, and other changes to align with the updates.	EQB 2-18-22 Governor signed 6-21-22	Permanent	9-15-22
100	0, SCs	Air Quality	requests from industry to add the "reasonable possibility" provisions. Amended OAC 252:100, Air Pollution Control, to amend for clarification/correction/removal of	EQB 11-14-21 Governor signed	Permanent	9-15-22		307	Water Quality Management Advisory Council	Amended OAC 252: 307, TNI Laboratory Accreditation, to update incorporation by reference of EPA analytical methodologies, including alternate methods, and other changes to align with the updates.	EQB 2-18-22 Governor signed 6-21-22	Permanent	9-15-22
	37, 39), SC 13	Air Quality Advisory Council	outdated language, designed in part to comport with Governor's Executive Order 2020-03. Amended OAC 252:100, Air Pollution Control, to amend the requirements for the use of an air curtain incinerator (ACI) in certain counties or areas within a county. This change conforms	6-21-22 EQB 11-14-21 Governor signed	Permanent	9-15-22		Radiation 410 Management Advisory Council		Amended OAC 252:410, Radiation Management, to update incorporation by reference of federal rules, simplify the process of industrial radiography certification for military personnel and their spouses and remove, clarify, and simplify outdated	EQB 2-18-22 Governor signed 6-21-22	Permanent	9-15-22
	, SCs 1,	Air Quality	the Department's rules to statutory changes enacted in the 2021 legislative session. Amended OAC 252:100, Air Pollution Control, to allow for certain construction activities to be conducted at the owner/operator's risk	6-21-22 EQB 2-18-22 Governor signed	Permanent	9-15-22		515	Solid Waste Management Advisory Council	or unclear language in accordance with Governor's Executive Order 2020-03. Amended OAC 252:515, Management of Solid Waste, to remove outdated rules and simplify and clarify language in accordance with Governor's Executive Order 2020-03.	EQB 2-18-22 Governor signed 6-21-22	Permanent	9-15-22
H	7, 8	Air Quality Advisory Council	after submittal of an administratively complete application but prior to issuance of the construction permit. Amended OAC 252:100, Air Pollution Control, to align DEQ rules with recent federal rule changes regarding landfill gas collection and control systems, allowing DEQ to implement	6-21-22 EQB 2-18-22 Governor signed 6-21-22	Permanent	9-15-22		606	Water Quality Management Advisory Council	Amended OAC 252:606, Oklahoma Pollutant Discharge Elimination System (OPDES) Standards, to update incorporation by reference of EPA regulations, including methodologies for wastewater testing, to ensure Oklahoma maintains delegation of the OPDES program in lieu of EPA.	EQB 2-18-22 Governor signed 6-21-22	Permanent	9-15-22
	205	Hazardous Waste Management Advisory Council	the requirements rather than EPA. Amended OAC 252:205, Hazardous Waste Management, to make DEQ's hazardous waste rules consistent with the federal regulations including modernizing the rules governing determinations for ignitable liquid hazardous wastes. The amendment also corrects cross references to DOT regulations and removes obsolete information.	EQB 2-18-22 Governor signed 6-21-22	Permanent	9-15-22		631	Water Quality Management Advisory Council	Amended OAC 252:631, Public Water Supply Operation, to ensure the Department remains in compliance with federal regulations promulgated pursuant to the Reduction of Lead in Drinking Water Act (RLDWA) and Safe Drinking Water Act (SDWA). The RLDWA revised the definition of "lead free" to lower the allowable maximum lead content of plumbing products and established a statutory method for calculating lead content.	EQB 2-18-22 Governor signed 6-21-22	Permanent	9-15-22
	221	Hazardous Waste Management Advisory Council	Amended OAC 252:221, Brownfields to remove outdated citations, allow for electronic files to be posted on DEQ's website and simplify the process for participants in DEQ's Brownfields Certificate Program and Brownfields Revolving Loan Fund Program.	EQB 2-18-22 Governor signed 6-21-22	Permanent	9-15-22	ve/ai	690	Water Quality Management Advisory Council	Amended OAC 252:690, Water Quality Standards Implementation, to update incorporation by reference of EPA regulations, which include the Clean Water Act Methods Update Rule.	EQB 2-18-22 Governor signed 6-21-22	Permanent	9-15-22

Air Quality Advisory Council

The Air Quality Advisory Council (AQAC) is authorized by the Oklahoma Clean Air Act to review air quality issues and hold public hearings as part of the state's rulemaking process. Once approved by the nine-member panel, proposed rules are recommended to EQB. Upon EQB adoption, the rules proceed to the state Legislature and Governor for final approval and adoption. Generally, all non-emergency rules approved through this process become effective the following September 15th.

AQAC members are appointed by the Governor for seven-year terms and represent a range of related professions as set forth in the Oklahoma Statutes. This year the council voted to retain Laura Lodes, representing the engineering profession, as Chair, and Garry Keele, representing the general public, as Vice Chair for the 2022 calendar year.

Two of the three regularly scheduled AQAC meetings were held during state fiscal year (FY) 2022: one in October 2021 and one in January 2022. The May 2022 AQAC meeting was cancelled.

At the October 2021 regularly scheduled meeting in Oklahoma City, the AQAC recommended for adoption the annual update of Appendix Q, Incorporation By Reference (IBR), to incorporate the latest modifications to federal regulations,

and updated language in Subchapter 2, Incorporation By Reference, to reflect the latest date of incorporation of EPA regulations in Appendix Q. The appendix is updated annually to incorporate federal regulations relating primarily to New Source Performance Standards (NSPS) and National Emission Standards for Hazardous Air Pollutants (NESHAP) that will be enforced by the state.

At the October meeting, the AQAC also recommended revisions to OAC 252:100-13, Open Burning, for adoption by the EQB. These revisions were necessary to conform DEQ's rules to statutory changes made to 27A Oklahoma Statutes (O.S.) § 2-5-130 during the 2021 legislative session. Effectively, the revisions restricted the areas where an air curtain incinerator (ACI) is required for land clearing operations or the burning of clean wood waste or yard brush.

Two additional rule packages were presented to the AQAC during the October meeting; however, DEQ staff recommended, and the Council voted, to hold these rules over to a subsequent meeting. Therefore, the two rules were presented again at the second meeting of FY22, held in January 2022 in Oklahoma City.

At the January meeting, DEQ presented amendments to OAC 252:100, Subchapters 1, 7 and 8, to allow for certain construction activities to be conducted at the owner/operator's risk

Member	Professional Realm	Appointing Official	Term Expires
Matt Caves	Electric Utilities	Governor	6/15/2027
Gary Collins	Agriculture	Governor	6/15/2024
Robert D. Delano, Ph.D.	Higher Education	Governor	6/15/2025
Gregory Elliott	Petroleum	Governor	6/15/2026
Garry L. Keele**	General Public	Governor	6/15/2026
Stephen Landers	Manufacturing	Governor	6/15/2023
Laura Lodes*	Engineering	Governor	6/15/2027
John Privrat	Transportation	Governor	6/15/2028
Jeffrey P. Taylor	Local Government	Governor	6/15/2029

^{*} Chair ** Vice-Chair

after submission of an administratively complete minor New Source Review (NSR) permit application but prior to the issuance of the construction permit. DEQ also proposed revisions in Subchapter 7 to give regulatory clarity regarding when a construction permit is required by inserting the federal terms for pieces of equipment and processes subject to NSPS and NESHAP. These revisions will provide flexibility and clarity to the regulated community. The AQAC recommended these amendments to the EQB for adoption as permanent rules.

Also at the January meeting, DEQ presented amendments to OAC 252:100-47, Control of Emissions from Existing Municipal Solid Waste Landfills,

in order to incorporate the provisions of 40 C.F.R. Part 60, Subpart Cf, "Emission Guidelines and Compliance Times for Municipal Solid Waste Landfills" into the state rules. EPA is implementing the emission guidelines for existing municipal solid waste landfills with a Federal Plan under 40 C.F.R. Part 62, Subpart OOO, until such time as DEQ revises Subchapter 47 and its State 111(d) Plan. The AQAC voted to recommend these amendments to the EQB as the first step in replacing the Federal Plan with a State Plan.

More information on the Council's activities can be accessed on DEQ's website at https://www.deq.ok.gov/council-meetings/air-quality-advisory-council/.

Hazardous Waste Management Advisory Council

Member	Professional Realm	Appointing Official	Term Expires
Dale Copeland	Political Subdivision	Governor	3/1/2023
R. Kinnamon Clark	Industry	Governor	3/1/2023
Matt Cobb	Statewide Non-Profit Environmental Association	Governor	3/1/2024
Wesley Anderson	Industry Generating Hazardous Waste	Pro Tempore	2/13/2021
Kenneth Ede	General Public	Pro Tempore	11/3/2024
Lyndel Gibson	Political Subdivision	Pro Tempore	9/30/2022
Terry Vandell	Geology	Speaker of the House	3/31/2019
Ray Reaves**	Engineering	Speaker of the House	3/31/2021
Lee Grater*	Hazardous Waste Industry	Speaker of the House	3/31/2020

^{*} Chair ** Vice-Chair

The Hazardous Waste Management Advisory Council met on October 21, 2021. The primary purpose of the October meeting was a roll-call vote to approve the annual Incorporation by Reference (IBR) update.

The purpose of the update was to change the IBR date to 2021, which ensures equivalency with the federal program. Specific rule changes incorporated included modernizing the rules governing determinations for ignitable liquid hazardous wastes. The IBR ensures that Oklahoma's hazardous waste rules are at least equivalent to the federal rules.

There was also a roll-call vote to approve changes to certain state rules that became obsolete through statutory changes. The division made a budget presentation, the council approved the minutes of the previous meeting, meeting dates were set for next year, and the meeting was adjourned.



Hazardous Waste Fund

DEQ's Hazardous Waste Fund is authorized by the Hazardous Waste Fund Act, 27A O.S. § 2-7- 301 et seq. There was \$0.00 received in income to the Hazardous Waste Fund in FY 2022, derived from administrative penalties associated with violations of the Oklahoma Hazardous Waste Management Act, 27A O.S. § 2-7-101 et seq. According to Section 2-7-304 of the Hazardous Waste Fund Act, monies in the Hazardous Waste Fund

may be used for protection of public health and safety, basic emergency response training and protective equipment, environmental response and remediation, and assistance to local governments with development of emergency response plans. In FY 2022, DEQ provided mercury collection and disposal services for 41 Oklahoma households from money previously placed in the Hazardous Waste Fund.

A prairie field in Oklahoma

Water Quality Management Advisory Council

The Water Quality Management
Advisory Council (WQMAC) is
made up of 12 members who are
appointed for three-year terms and
who represent a wide variety of
interested parties. Four members
are appointed each by the Governor,
the Speaker of the House, and
the President Pro Tempore of the
Senate. The WQMAC typically meets
three or four times a year; however,
additional meetings are sometimes
scheduled in order to address a rule
change that does not fit the regular
meeting schedule.

WQMAC reviews and recommends rules governing water quality to the EQB. Currently, 23 chapters of rules are under the authority of the WQMAC. These include regulations for laboratory accreditations,

laboratory services, industrial and municipal wastewater, general water quality, wastewater lagoon and land application systems, pretreatment, minor public water supply, public water supply, water and wastewater construction standards, biosolids, water reuse, drinking water state revolving fund, small public and private sewage systems, septage pumpers and transporters, underground injection control, implementation of water quality standards, and waterworks and wastewater works operator certification.

During FY 2022, the WQMAC met on October 5, 2021, and January 11, 2022. The Council passed permanent rule changes to Chapters 301, 302, 307, 606, 631 and 690.

Member	Professional Realm	Appointing Official	Term Expires
Ron Jarman	General Public	Governor	3/1/2023
Robert Carr	Operator for Municipal Waterworks and Wastewater Works Facility	Pro Tempore	10/31/2022
Mary E. Mach	Environmental Organization	Governor	3/1/2024
Willard B. Smith	Engineering	Governor	3/1/2025
Rick J. Moore	Industry	Pro Tempore	4/2/2023
Steve Sowers **	Oil Field Related	Pro Tempore	3/11/2024
Duane L. Winegardner	Geology	Pro Tempore	3/11/2024
Debbie Wells	Rural Water District	Speaker of the House	6/30/2019
Vacant	Agriculture	Speaker of the House	_
Vacant	Local Government	Speaker of the House	-
Brian Duzan *	Private Laboratory	Governor	3/1/2023
Mark Matheson	Operator in Rural Water or Sewer District	Speaker of the House	6/30/2019

* Chair ** Vice-Chair



Radiation Management Advisory Council

The Radiation Management Advisory Regulatory Commission, and DEQ. **Appointing Term** Council met on September 30, The changes included updating the Member **Professional Realm** Official **Expires** 2021, at DEQ's main office. The DEQ rules to maintain compatibility Karen Jennings** **Environmental Organization** Governor 7/1/2024 Council approved changes to the with NRC rules and updating the rules that amend Chapter 410 based radiography certification rules to Jeffery J. Lux **Engineering Profession** Governor 7/1/2023 on recommended changes and demonstrate compatibility with new corrections from the directive of state statutes. Industry Located in this State Which Uses Sources of Radiation in its Manufacturing or 7/1/2025 Carl Noble Governor the Oklahoma Governor, Nuclear **Processing Business** Christopher Honigsberg 1/21/2024 **General Public Pro Tempore** L. David Alcorn Industrial Radiography **Pro Tempore** 1/21/2024 Faculty of Institute of Higher Learning 1/4/2024 George MacDurmon* **Pro Tempore** of University Status Speaker of the 1/21/2024 Vacant **Transportation Industry** House Speaker of the 6/30/2021 Shawn Heldebrandt **Medical Industry** House Speaker of the 6/30/2020 Chad Mashburn Petroleum Industry House Vice-Chair Turner Falls near Davis, Oklahoma

Solid Waste Management Advisory Council

Member	Professional Realm	Appointing Official	Term Expires
Piotr Baidas	Waste-to-Energy Industry	Governor	6/30/2025
Mary Jo (Jody) Reinhart	Statewide Environmental Organization	Governor	3/1/2025
Robert J. Joyce	General Public	Governor	3/1/2023
Rodney L. Cleveland	County Commissioner	Governor	3/1/2024
April Sacha	Industry Generating Solid Waste	Pro Tempore	3/16/2023
Jim Linn	Political Subdivision	Pro Tempore	3/1/2025
Christopher Schaefer	Geology	Pro Tempore	3/2/2024
Brenda Merchant**	Transportation	Speaker of the House	12/4/2020
M. Todd Adcock	Solid Waste Disposal Industry	Speaker of the House	3/7/2020
Vacant*	Engineering	Speaker of the House	_

The Solid Waste Management Advisory Council (SWMAC) serves as the initial rulemaking body for Solid Waste Management within the Land Protection Division and operates under authority of the Oklahoma Solid Waste Management Act. The SWMAC holds public hearings, reviews solid waste issues, and provides expertise about various solid waste issues. All solid waste rules and regulations must first be reviewed and approved by the SWMAC before being recommended to the EQB. Once approved by EQB, the rules proceed to the Legislature and the Governor for final approval. The SWMAC is composed of ten members who represent specific areas of expertise as described by 27A O.S. 2-2-201(E).

Two regular meetings of the SWMAC were convened during the fiscal year. Revenue and spending reports for the previous year and budget report for the upcoming year were approved for the Electronic Waste, Solid Waste and Used Tire Recycling programs. Amendments were accomplished to Oklahoma Administrative Code 252:515, Management of Solid Waste, to remove redundant and outdated regulations and make minor changes to clarify existing language.



FY 2022 Solid Waste Fees Budgeted FY 2023 Solid Waste Fees Budgeted

\$6,189,161

FY 2022	Income	(receipts	for 07/	01/2021 -	06/30/2022)

T.C.	2,10	770
.DC)		.438

	FY 2022 Budget for Solid Waste Program	FY 2022 Expenditures as of 08/18/2022	FY 2022 Remaining Encumbrances
Salaries and other Compensation Expenses	3,036,230	2,791,081	-
Travel Expenses	67,064	17,619	
Administrative Expenses	373,693	182,535	100,239
Lab Equipment, Furniture & Building Construction & Air Monitoriing Sites	32,520	100,700	55,83
Indirect Costs (FY 2022 rate is 24.17%)	733,857	674,604	
Professional Services/Local Governments & Non-Profit Projects & Programs			
Oklahoma County Circuit Engineering & Non-Profit Projects & Programs	35,000	35,000	
Environmental Education Technical/Professional Services	350,000	331,758	77,14
Local Governments Miscellaneous Projects	300,000	283,122	50,00
Community Based Environmental Protection	400,000	430,586	77,80
Projects to Implement County Plans	620,000	616,575	3,42
Recycling Equipment	200,000	39,045	1,00
Total Budget for Contracts	1,905,000	1,736,085	209,37

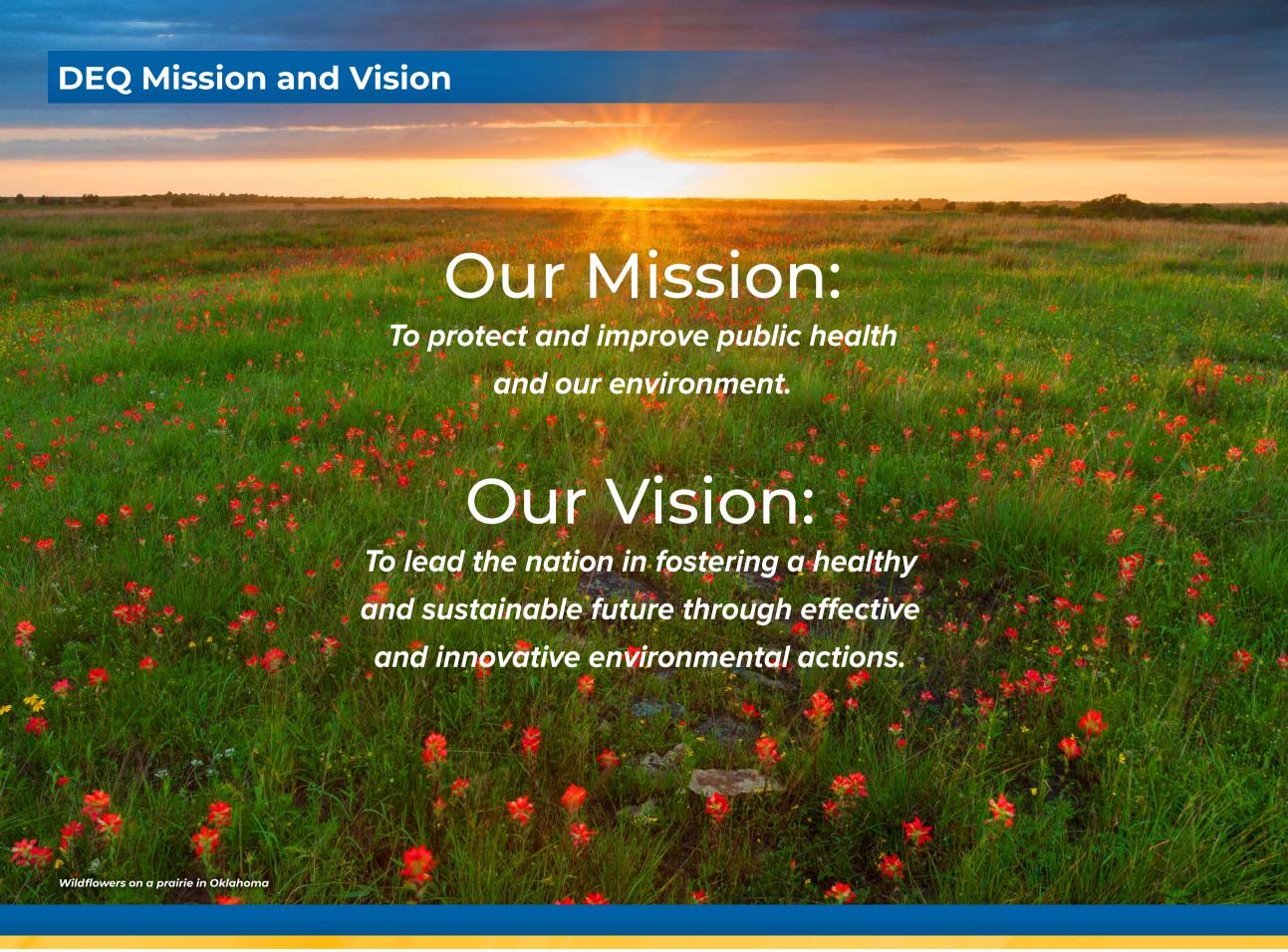
\$6,148,364

\$5,502,624

	A COLUMN	FY 2023 Budget for Solid Waste Program
Salaries and other Compensation Expenses		2,934,361
Travel Expenses		87,180
Administrative Expenses		414,222
Lab Equipment, Furniture & Building Construction & Air Monitoriing Sites		7,000
Indirect Costs (FY 2023 rate is 26.97%)		791,397
Professional Services/Local Governments & Non-Profit Projects & Programs		
Oklahoma County Circuit Engineering & Non-Profit Projects & Programs		35,000
Environmental Education Technical/Professional Services		500,000
Local Governments Miscellaneous Projects		350,000
Community Based Environmental Protection		450,000
Projects to Implement County Plans		620,000
Recycling Equipment	TASSELLIA.	-
Total Budget for Contracts		1,955,000

TOTALS

TOTALS



Employees of the Quarter and Year



Jeff Lawler
1st QUARTER



Kory Collier
2nd QUARTER



Kambridge Stephens
4th QUARTER



Ramona Haggins

3rd QUARTER &
EMPLOYEE of the YEAR

Organizational Chart

LEGAL SERVICES

General Counsel Jennifer Boyle

Litigation Attorney Supervisor Gary Henry

AQD Env Attorney IV Travis Couch

WQD Env Attorney IV April Eberle

ADMINISTRATIVE SERVICES

DIVISION

Director, Kathy Aebischer

Assistant Director, Vacant

Budgets, Payables, & Grants Mgmt Section

Financial Management

Human Resources Mgmt

Revenue Mgmt Section

Acquisition Mgmt Section

Human Resources Mgmt Section

- Amber Miller

Karla Addington

- Bridgett Griffin

– Nykkia Harris

Training Programs

Deputy General Counsel Madison Miller

LPD Env Attorney Supervisor Pam Dizikies

ECLS Env Attorney Supervisor Vacant

Criminal Investigators Env Prog Mgr, Dennis Williams

ENVIRONMENTAL QUALITY BOARD

OFFICE OF THE EXECUTIVE DIRECTOR

Executive Director Scott Thompson

Deputy Executive Director Jimmy Givens

> **Legislative Liaison** Michelle Wynn

Small Business Assistance

Compliance Advisory Panel

Chief of Staff Robert Singletary

Chief Engineer Saba Tahmassebi

OFFICE OF BUSINESS & REGULATORY AFFAIRS

Director, Lloyd Kirk

OFFICE OF CONTINOUS IMPROVEMENT

Director, Skylar McElhaney Env Prog Mgr, Jon Roberts

OFFICE OF COMMUNICATIONS & EDUCATION

Director, Frin Hatfield

Hazardous Waste Management 🛢 **Advisory Council**

Radiation Management Advisory Council

Solid Waste Management

Advisory Council

THE RESERVE OF THE PARTY OF THE

LAND PROTECTION

DIVISION

Director, Kelly Dixon

Assistant Director, Clifton Hoyle

Engineering Manager, Hillary Young

Solid Waste & Sustainability Unit

Site Restoration & Revitalization

Risk Management & Groundwater

Hazardous Waste & Radiation Mgmt

LPD Special Projects Coordinator

Solid Waste Compliance Section

Radiation Management Section

Solid Waste & UIC Permitting

Sustainable Materials Mgmt

Used Tire Recycling Program

Site Cleanup Assistance & Tar Creek

- Elizabeth McCaskill

- Brian Stanila

Aron Samwel

Kole Kennedy

Quality Assurance

- Heather Mallory

Brownfields Section

Hazardous Waste Compliance & Outreach

Hazardous Waste Permitting & Corr Act

- Patrick Riley

- Amy Brittain

- Dustin Davidson

- Michael Stickney

Superfund Program

Water Quality Management Advisory Council

WATER QUALITY

Assistant Director, Karen Steele

Next Gen Reporting & Operator Certification

Municipal Wastewater Group

Industrial Wastewater Group

- Brian Clagg

DWSRF Section

Industrial Discharge Permitting

Next Gen Reporting & QA/QC

Operator Certification

Municipal Discharge

Wastewater Compliance

PWS Special Project Coordination

Watershed Planning Section

Capacity Development Candy Thompson

Voluntary Cleanup & Chemical Reporting

Air Quality Advisory Council

AIR QUALITY

Director, Kendal Stegmann Assistant Director, Beverly Botchlet-Smith Engineering Manager, Phillip Fielder

Data & Planning - Cheryl Bradley

Permitting - Lee Warden

- Rick Groshong **Emission Inventory Section**

- Carrie Schroeder Rules & Planning Section

Technical Resources & Projects Section - Heather Lerch

Monitoring Section – West

Monitoring Section – East Ryan Biggerstaff

Existing Source Permit Section

New Source Permit Section

Enforcement Section Camas Frey

Compliance Section - Preston Loving

Reg Office at Tulsa Air Program Section

Quality Assurance Jeffrey Davidson

Engineering Section - Eric Milligan

Surveillance Section - Brad Flaming

Infrastructure Mgmt & Program Services Kerra Roudebush

ENVIRONMENTAL COMPLAINTS & LOCAL SERVICES DIVISION

> **Director**, Mark Hildebrand **Assistant Director**, Travis Mensik

ield Offices

Bruce Vande Lune

Permitting & Programs Management - Matt Pace

Complaints & Administrative Section - Jennifer Handley

Onsite Sewage & TRLs Section

West Region Section

Central Region Section - Rvan Mcintosh **Southeast Region Section**

South Central Region Section

Northeast Region Section

Storm Water & Minor Water Section

STATE ENVIRONMENTAL LAB SERVICES DIVISION

Director, Jeff Franklin **Assistant Director**, Cody Danielson

Customer Assistance - Erin Vorderlandwehr

Organics Analysis - Jennifer Baughn-Fennell

Susan Mensil **GC/MS Organics Section**

GC Organics Section

- Amanda Williams

General Chemistry Section

Elemental Analysis Section

Laboratory Customer Asst Section

Laboratory Accreditation Program

Statewide Sample & Data Mgmt

Environmental Microbiology Section Candice Smith

DIVISION

Director, Shellie Chard Engineering Manager, Gregory Carr

- David Pruitt

- Patrick Rosch

Public Water Supply - George Russel

PWS Compliance Tracking Steven Thibodeau

PWS Field Inspection/ Engineering & Enforcement Mark Stasyszen

Municipal Inspection & Enforcement - Myles Mungle

& Stormwater Permitting – Michael Moe

Tom Bailey

Construction Permitting/ Engineering Report Review

- Joe Long

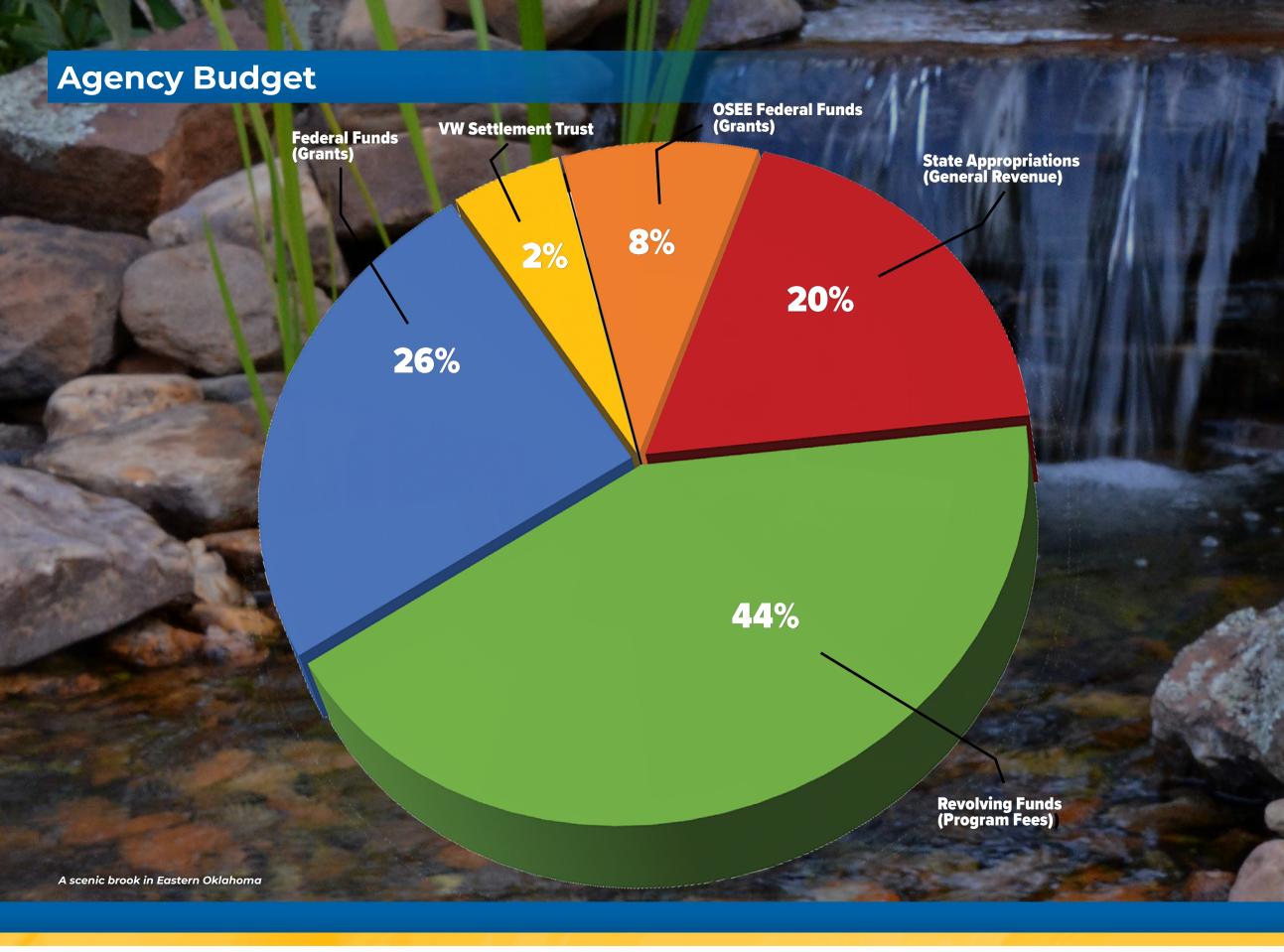
Industrial Inspection/Enforcement

Plant Manager Dawell Wright

Building Operations

Records Mgmt Section Rhonda Craid

Talimena Mountains, Oklahoma



Environmental Quality Report

For consideration and approval by the Environmental Quality Board on November 9, 2021

DEQ is required by statute to annually submit an "Environmental Quality Report" to the Governor, the President Pro Tempore of the Senate, and the Speaker of the House of Representatives. It is to summarize DEQ's annual budget needs for providing the environmental services within its jurisdictional areas, new federal mandates, and state statutory or constitutional changes recommended by DEQ. The report must be reviewed and approved by the EQB prior to its submittal to the Governor and legislative leaders.

I. ANNUAL BUDGET REQUEST¹

DEQ is slated to receive \$9,027,346 in state appropriated funding for current state fiscal year (FY) 2022. This represents an increase of over 25% from the FY 2021 appropriation of \$7,188,879.

DEQ, with the approval of the EQB, is requesting a general revenue appropriation of \$29,610,693 for FY 2023 which includes \$20 million to replace the DEQ parking garage. The specifics of this request are contained in Appendix A to this report.

DEQ's total budget for FY 2023 – including fee revenues and federal funds, which are also variable from year to year – is indeterminate as of the date of submittal of this report. The total DEQ budget for current FY 2022 stands at just over \$96,000,000, comprised of approximately 10% state general

revenue funding, 38% federal funding for DEQ, 8% federal funding for the Office of the Secretary of Energy and Environment and 45% fee funding. Appendix B contains additional details. Should state or federal funding substantially decrease, DEQ would have to further reduce activities and/or secure additional fee funding.

II. FEDERAL MANDATES² AIR QUALITY DIVISION (AQD) AIR POLLUTION CONTROL

Ozone National Ambient Air Quality Standard

All of Oklahoma remains designated as attainment/unclassifiable for the 70 ppb 8-hour National Ambient Air Quality Standard (NAAQS) for ozone. Fortunately, the 2021 ozone season has been favorable, with relatively few exceedances.

Regional Haze

The goal of the 1999 EPA regional haze rule is to achieve natural visibility conditions at all designated Class 1 Areas by 2064. Oklahoma must have and periodically update a long-term strategy for reducing visibility impairment at its Class 1 Area, the Wichita Mountains Wilderness Area (WMWA). The next State Implementation Plan (SIP) submittal was due in July of 2021. This deadline was not met; however, EPA is aware of the delay. Currently, the proposed Regional Haze SIP has entered the consultation period with Federal Land Managers and Tribes.

Methane

EPA is expected to imminently release a proposed Methane rule package for the oil and gas industry. The rulemaking package may include additional and more restrictive leak detection and repair requirements for applicable oil and gas facilities. Further, EPA may remove exemptions, such as low-producing wells, contained in the existing federal regulation. The package is currently at the Office of Management and Budget. Once approved and published, the proposed rule will be subject to public comment. A final rule is not anticipated until well into 2022.



¹Because requests for state appropriations are due by October 1, the appropriation request information in this portion of the Environmental Quality Report was previously considered and approved by the Environmental Quality Board at its September 14, 2021, meeting.

²The list of federal mandates is not exhaustive but covers recent or impending requirements or major developments that are among the most significant to the state and DEQ.



On September 30, 2021, EPA issued a guidance memo regarding emissions related to startups, shutdowns and malfunctions (SSM). The purpose of EPA's 2021 guidance memo is to: (1) withdraw SSM guidance issued in 2020 by the Trump administration; and (2) reinstate EPA's 2015 SSM policy that SIP provisions containing exemptions or affirmative defenses are not consistent with the federal Clean Air Act and, therefore, not approvable as contained within a SIP submission.

WATER QUALITY DIVISION (WQD), along with STATE ENVIRONMENTAL LABORATORY SERVICES DIVISION (SELSD) and ENVIRONMENTAL COMPLAINTS and LOCAL SERVICES DIVISION (ECLS)

WATER REUSE -

Water Reuse Action Plan (WRAP)

EPA began working on the WRAP, a non-regulatory initiative to advance water reuse across the country, in late 2018. EPA finalized the WRAP in February 2020. There has already been a significant amount of staff time spent working on this federal initiative, and it is expected that the workload will continue to increase. Oklahoma's efforts on aquifer storage and recovery (ASR), non-potable reuse and indirect potable reuse rule development have been recognized. This work is expected to continue to grow over the next few years.

DRINKING WATER-

Revised Lead and Copper Rule

EPA has announced the final Revised Lead and Copper Rule will be published in December 2021. It is expected to modify the existing Lead and Copper Rule with respect to sampling, corrosion control, lead service line inventory, lead line replacement, mandatory testing in schools, etc. Public water supply (PWS) systems will be significantly impacted, and DEQ's workload with respect to lead will increase, which will affect WQD, ECLS and SELS. A study by Cadmus, a national drinking water consulting firm, estimated that a medium-sized state primacy agency (Oklahoma's category) should anticipate adding 12-13 staff to fully implement the rule. The new categories of data collection that are required are expected to be a large expense although until the rule is public the actual impact is unknown.

America's Water Infrastructure Act of 2018 (AWIA)

The AWIA adds provisions regarding drinking water programs. Some elements are mandatory; one is optional. The optional program is of particular interest to the Governor and his administration. WQD, SELS and ECLS will be expending significant resources on these new provisions. Among the most notable ongoing provisions are:

· Lead Testing in Schools and Daycares. While not mandated by AWIA, DEQ is participating in a statewide effort with other agencies and the Office of the Secretary of **Energy and Environment to address** a critical gap that currently exists in efforts to protect public health: the testing of individual taps and water fountains in schools and childcare centers. The pilot program, which was designed to follow the EPA 3 T's guidance, has been completed with the initial sampling. The program continues to gain momentum throughout the state and participation is on the rise. DEQ will need additional, continued funding to meet obligations of sampling, testing, analysis, site mapping and technical assistance. Additionally, staff will be working with partners like the state Department of Education to identify funding sources for remediation when plumbing issues are identified. Additional schools and daycares have been added to the waiting list. This is expected to move from voluntary to mandatory under the new Lead and Copper Revised Rule mentioned above.

• Risk Assessment and Emergency Response. Community PWS systems that serve more than 3,300 people are required to complete a risk and resilience assessment and develop an emergency response plan. The risk and resilience assessments were due March of 2020 or June of 2021, depending on system size. DEQ provided technical assistance to the PWS systems and reporting to EPA.



19



This is a significant effort for DEQ staff and partners like the Oklahoma Rural Water Association.

EPA is considering expanding this requirement to include all community water systems, regardless of size, and to specifically include cybersecurity. EPA is currently proposing that state inspectors review cybersecurity plans are part of Sanitary Surveys which will greatly increase the workload for DEQ inspectors.

Drinking Water National Compliance Initiative

EPA has announced the continuation and update of a previous National Compliance Initiative (NCI) that requires a 25% decrease in noncompliance of National Primary Drinking Water Standards that impact public health. This will be particularly challenging as new rules take effect. It is expected that there will be significant staff time spent providing sampling assistance and technical assistance to drinking water systems.

Consumer Confidence Report Rule

The Consumer Confidence Report (CCR) Rule requires all community water systems to provide an annual report to customers regarding water quality. The Water Infrastructure Improvements for the Nation (WIIN) Act increased the requirement from one per year to one every six months. EPA is working to update the rule. In addition to increasing the frequency, EPA is holding public meetings to gain

input into other potential changes. Currently, potential changes include: Translation to languages that 1%, 5%, or 10% speak as a primary language, requiring posting of information for renters, tenants, etc. (not just customers); and providing reports to interested community organizations. EPA indicated that the rule would be proposed early in calendar 2022. The increase in frequency is selfimplementing. There will be increased workload for DEQ staff that prepare CCRs for most PWS systems in Oklahoma and the water systems that will be required to duplicate work.

Microbial and Disinfection By-Products (MDBP) Rules

EPA has announced a review of rules related to disinfection and the byproducts formed during the drinking water treatment process. The following rules are subject to the review:

- · Surface Water Treatment Rule
- Interim Enhanced Surface Water Treatment Rule
- Long-Term 1 Enhanced Surface
 Water Treatment Rule
- Stage 1 and Stage 2 Disinfectant and Disinfection Byproducts Rules

DEQ staff continue to work on this issue. There will be significant time spent by senior managers in the WQD working with EPA on the policy aspect of this rule review. Staff and managers that are technical experts will be spending substantial time

gaining an understanding of the EPA proposals and how they will impact PWS systems in Oklahoma. Once final regulatory decisions are made, DEQ staff (WQD, ECLS and SELSD) will be working together to provide technical assistance to the regulated community.

Small System Assistance Program

In coordination with WQD, SELS continues to expand the scope of its EPA-funded Small System Assistance (SSA) program. The goal of the program, which began as a pilot in June 2020, is to protect public health through improved drinking water compliance rates. This goal is achieved through a variety of onsite and remote customized technical assistance events that focus on compliance sample schedules, collections, submittal and results interpretation.

Through federal funding, SELS has been able to acquire a mobile laboratory that will be used to support mission critical functions of the SSA and to bolster DEQ emergency response capabilities.

WASTEWATER –

Harmful Algal Blooms (HABs)

The EPA Office of Inspector General (OIG) has released a report titled, "EPA Needs an Agency-wide Strategic Action Plan to Address Harmful Algal Blooms (HABs)." The OIG report says that by creating a strategy, EPA can reduce HABs and their impacts on human health and

the environment (and drinking water sources) using the authorities and tools provided by the Clean Water and Safe Drinking Water Acts, and enable improved collaboration with EPA offices and regions, and federal, state and external partners.

The OIG recommends that EPA's strategic action plan should describe how the Agency will maintain and enhance a national program to forecast, monitor and respond to freshwater HABs. The OIG also found that EPA has not fulfilled its 2015 commitment to Congress to develop additional drinking water health advisories for cyanotoxins and needs to take further action to develop revised nitrogen and phosphorus numeric water quality criteria recommendation.

EPA Existing Effluent Limitation Guideline (ELG) Review

EPA has chosen four ELGs for review and updating (Per- and Polyfluoroalkyl Substances PFAS) Manufacturers; Electrical and Electrical components; Central Waste Treatment facilities; and Power Plant Ash Transport Water). Any changes will result in additional workload for WQD staff and more restrictive permit limits for the regulated community.

MISCELLANEOUS -

Per- and Polyfluoroalkyl Substances (PFAS)

There is mounting pressure on EPA to establish drinking water Maximum

Contaminant Levels (MCLs), wastewater discharge and biosolids standards, groundwater cleanup levels, etc., for PFAS compounds. On October 18, 2021, EPA released its PFAS Strategic Roadmap, which lavs out the EPA's agency-wide approach to addressing PFAS contamination and includes timelines by which EPA plans to take specific actions. Action on any of these chemicals will likely result in the need for DEQ to undertake rulemaking. increase staffing, implement training for the regulated community and DEQ staff and procure additional laboratory equipment. DEQ staff are already fielding numerous questions from facilities and the general public and are participating in national and state workgroups on the subject. With the approval of analytical methods for some PFAS compounds, EPA has begun to require monitoring for PFAS in stormwater general permits and in National Pollutant Discharge Elimination System (NPDES) individual discharge permits where EPA is the permit authority and EPA could require PFAS monitoring in state-issued permits. Additionally, EPA is undergoing rulemaking actions to establish Effluent Limitation Guidelines (ELGs) for certain industrial dischargers. The ELGs will create additional work for DEQ staff to implement in permits.

EPA has published the Unregulated Contaminant Monitoring Rule (UCMR) 5 which requires sampling by all community water systems for 29 PFAS compounds beginning in January of 2023, through 2025. SELS continues to spend significant time and resources to develop the analytical capability to test for PFAS in drinking water. DEQ staff will provide technical and sampling assistance to water systems during this period. UCMR data typically informs EPA setting new limits for drinking water. This capacity advancement would also enable SELS to be prepared to support the systems of the state in response to any future SDWA or CWA rule promulgation related to PFAS.

Executive Order: "Protecting Public Health and the Environment and Restoring Science to Tackle the Climate Crisis."

Under this Executive Order, there are seven water-related rules under review (Lead and Copper Revised Rule (SDWA); Consumer Confidence Rule Revision (SDWA); Microbial/ Disinfection By-Products (SDWA); PFAS MGL development for drinking water (CWA); Waters of the U.S. (WOTUS) (CWA); Virus monitoring (CWA); and Offshore drilling (CWA). Each of them on their own is likely to result in increased workload for DEQ staff and the regulated community.

Justice 40

This is a new initiative across all federal agencies that have loan or grant programs. The primary requirement is that 40% of all benefits from a funding program must be received by a small, rural, disadvantaged, or Environmental Justice community. Two of the first three pilot programs are the Clean Water and Safe Drinking Water State Revolving Fund, and the third is the USDA



Rural Development program. WQD is involved in all three of these programs either directly or indirectly.

III. LEGISLATIVE RECOMMENDATIONS

The following are proposed as possible DEQ request bills for the 2022 Oklahoma regular legislative session:

PFAS WASTE DISPOSAL

DEQ plans to request a bill that would be designed to minimize the risk that any disposal of PFAS waste in the state would result in contamination of environmental media. DEQ is concerned that to date there has been little or no vetting of the adequacy of disposal options with respect to PFAS chemicals, which are highly persistent. DEQ would like to see legislation that, at a minimum, either itself requires or authorizes rulemaking to require that disposal facilities (e.g., landfills and incinerators) certify and demonstrate that their methods of disposal or treatment of PFAS wastes are safe and effective with respect to those wastes.

PERMITTING OF PHASED-IN COMPLIANCE WITH WATER QUALITY STANDARDS

DEQ plans to request a bill that would authorize the issuance of permits containing phased-in compliance with water quality standards established by the Oklahoma Water Resources Board (OWRB). In certain instances, it may be beneficial to the quality of a receiving waterbody to issue a modified discharge permit to a facility that will not immediately meet updated water quality standards but will nonetheless result in an improvement to water quality in the meantime while the permittee is working toward meeting water quality standards.

2022 Tire Report

The Administration and Effectiveness of the Oklahoma Used Tire Program for FY20, 21 and 22 Report and Supplement are available online.

Tire Report - https://tinyurl.com/3vwen748

Tire Supplement - https://tinyurl.com/2enht59j



Mountain Fork River, Beavers Bend State Park, Oklahoma

Appendix A

Oklahoma Department of Environmental Quality Operations Funding Changes For the Fiscal Year Ending 06/30/2023

On-Going Requests	FY 2022 Appropriation	FY 2023 Requested Increase	FY 2023 Total Appropriation Request
State Environmental Laboratory Services	\$3,054,048	\$288,050	\$3,342,098
Environmental Complaints and Local Services	3,292,016	295,297	3,587,313
Water Quality Division	2,681,282	0	2,681,282
Subtotal On-Going Requests	\$9,027,346	\$583,347	\$9,610,693
One-Time Requests			
DEQ – Parking Garage	0	20,000,000	20,000,000
Total Requests	\$9,027,346	\$20,583,347	\$29,610,693

ECLS - Additional Staffing

This request will allow ECLS to fund three Field Environmental Specialist positions that have been eliminated since FY2017. Due to the loss of positions, ECLS has reduced the number of ECLS local offices and was forced to reduce the number of facility inspections from quarterly to annual. These inspections include Public Water Supplies, Wastewater Treatment Plants and Solid Waste Facilities. ECLS has also reduced oversight of the Onsite Septic System Program. Even with the aforementioned reductions in workload, the staffing model indicates that ECLS is still down by three full-time employees. Funding these positions would allow ECLS to improve customer service and technical assistance, including response to citizens, communities,

industry and emergencies. It would also enhance support for the Water Quality Division with technical assistance and long-range sustainability planning with the Oklahoma Strategic Water Alliance.

Cost \$295,297

SELS -Additional Full Time Employee (FTE) within the Heavy Metals Unit of SELS

This request allows the State
Environmental Laboratory Services
Division (SELS) to fund one (1)
FTE in the Heavy Metals Section
of the laboratory. This position
is needed to support the Safe
Drinking Water Act's (SWDA) Lead
Testing in Schools and Childcare
Drinking Water Program (Lead in
Schools) and the Revised Lead

and Copper Rule (LCRR). These programs specifically protect small, underserved and disadvantaged communities and will result in a >3-4x increase in sample workload and in reporting turnaround times previously only seen in acute health risk testing. The Principal State Laboratory does not currently have the analytical staff needed to meet these increased demands.

Cost \$96,017

SELS – Additional FTE within the Field Laboratory Customer Assistance Section of SELS

This request allows the State **Environmental Laboratory Services** Division (SELS) to fund one (1) FTE in the Field Laboratory Customer Assistance Section. This position is needed for continuity of services and expansion of the Small System Assistance (SSA) Drinking Water program. The SSA program has proven valuable in assisting small Public Water Supply Systems (systems with a population <10,000) who are in persistent noncompliance with SDWA regulations, often due to a lack of funding, expertise and knowledge. The program uses a focused, hands-on approach to train and build competency in sampling and rule requirements. In the last year, the program resulted in 294 analytical tests and 212



Appendix A (continued)

technical assistance events. Due to having only one FTE available to support the program, the SSA program is limited to 11 counties in the State. An additional FTE along with the recently purchased mobile lab will allow the program to expand statewide, resulting in enhanced targeted outreach and even higher compliance rates and further protection of public health. This FTE would also allow SELS and DEQ to expand the scope and effectiveness of its emergency response activities.

Cost \$96,017

SELS – Additional FTE within the Statewide Sample and Data Management Section (SSDM) of SELS

This request would support the enhancement of the SELS data management program, which serves a vital role in the accuracy and effectiveness of the work product and operations of SELS, which houses the Principal State Laboratory (PSL) for the State of Oklahoma. The data management program directly affects workflows and data associated with all

functions of SELS operations. Enhancement of this program will result in an improved Quality Management System, more timely service to customers, more robust inventory management, and the ability to incorporate new and emerging contaminants and technologies into SELS. Enhancement will also allow for development of a new laboratory accreditation database to be used by the SELS Laboratory Accreditation Program (LAP), which will replace a legacy database that cannot meet the current workload and is no longer supported. This program directly influences PSL activities that are part of the requirements for state Primacy, including management of compliance schedules and data exports for 1,700 Public Water Supply Systems (PWSs) as required under the SDWA and the certification records of 180 labs who participate in the LAP. In addition, the program manages custom deliverables, LIMs administration, process automation, IT device management, infrastructure support and financial and performance data management.

Cost \$96,017

DEQ - Parking Garage

DEQ is responsible for the maintenance of agency owned facilities, which includes a parking garage and surface lot for customer and employee parking. Due to legislative sweeps totaling \$33 million, we no longer have the funds to complete the replacement of the rapidly deteriorating parking garage. The garage has reached a critical point where we have had to close the top floor due to a punch-through. Additionally, the parking garage has a total of 324 spaces; we have had to close 123 or 38% of the parking spaces throughout the garage due to concerns of falling concrete and potentially additional punch-through holes. This request is urgent and cannot be further delayed. The agency has had to locate additional parking to relocate displaced employees. The area has very few options for parking and DEQ is unable to locate enough parking to accommodate our entire staff.

Cost \$20,000,000

Appendix B

FY2022 Budget

Section 1	EXPENSES	Budget	Budget Revisions	Total Revised Budget
11-	Salaries and other Compensation Expenses	47,138,383		47,138,383
2000年	Professional Services	23,070,057	250,362	23,320,419
S. Salah	Travel Expenses	766,977		766,977
	Administrative Expenses	7,232,436		7,232,436
	Lab Equipment, Furniture and Building Construction and Air Monitoring Sites	2,009,305	33,130	2,042,435
	Local Governments and Non-Profit Projects and Programs	16,070,532		16,070,532

TOTAL EXPENSES 96,571,182

A	M. V.				VARIOUS DE LA COMPANION DE LA
160011		FUNDING SOURCES	Budget	Budget Revisions	Total Revised Budget
1	19111	FY2021 Appropriations Carryover		250,362	250,362
	19012	FY2020 Appropriation Carryover		33,130	33,130
1	19201	General Appropriations	9,027,346		9,027,346
Y	20000	Revolving Fund	42,407,333		42,407,333
	21000	Environmental Education Fund	15,000		15,000
	22000	Hazardous Waste Penalty Fund	69,650		69,650
CAK	22500	Certificate Fund	862,756		862,756
	40000	Federal Funds	31,886,901		31,886,901
	40300	Brownfields Revolving Loan Fund	215,000		215,000
No.	40500	Environmental Settlement Fund (Federal)	4,300,419		4,300,419
	41000	Water Management Federal Fund	7,503,285		7,503,285

TOTAL FUNDING SOURCES

96.287.690

283,492

EXPENSES	Budget
Salaries and other Compensation Expenses	47,996,218
Professional Services	17,749,850
Travel Expenses	955,239
Administrative Expenses	7,567,255
Lab Equipment, Furniture and Building Construction and Air Monitoring Sites	3,421,185
Local Governments and Non-Profit Projects and Programs	19,646,251

TOTAL EXPENSES

FY2021 Budget

97,335,99

			A SHOVE TO BEFORE
		FUNDING SOURCES	Budget
	19011	Lab Equipment Appropriation	285,526
	19101	Rural Water Sustainable Infrastructure/ TA Support	478,668
X	19101	General Appropriations	6,710,211
	20000	Revolving Fund	44,465,570
	21000	Environmental Education Fund	19,000
	22000	Hazardous Waste Penalty Fund	100,000
1	22500	Certificate Fund	910,000
	40000	Federal Funds	30,445,625
	40300	Brownfields Revolving Loan Fund	300,000
	40500	Environmental Settlement Fund (Federal)	5,718,113
	41000	Water Management Federal Fund	7,903,285

TOTAL FUNDING SOURCES

97,333,990

96,571,182

Agency Statistics

Air Quality Division

$\alpha \omega$		East work	A1 10 A
UKI	ahoma	u Koldaal	[•] [•]

Air Quality Division				
Ambient Monitoring QTR 1	QTR 2	QTR 3	QTR 4	TOTAL
Continuous Monitoring Systems 47	47	47	47	47
Non-continuous Stations 12	12	12	12	12
Toxics Stations 8	6	6	6	8
	- 100	St. Car.	Call -460 S.	The second second
Number of Air Samples Collected (continuously/hourly)				
Ozone 25,816	19,236	11,639	25,542	82,233
Sulfur Oxides 11,311	10,928	10,693	11,036	43,968
Total Oxides of Nitrogen 6,510	6,230	6,377	6,150	25,267
Nitrogen Dioxide-NO2 6,510	6,230	6,377	6,150	25,267
Nitrogen Oxides-NO 6,510	6,230	6,377	6,150	25,267
Carbon Monoxide 6,501	5,044	5,215	5,550	22,310
PM-10 4,407	4,397	4,300	4,339	17,443
PM-2.5 19,236	10,833	10,292	10,692	51,053
Special Purpose			· · · · · · · · · · · · · · · · · · ·	
	4.876	2.002	0.504	22.027
	,	2,963	8,561	22,837
NOy 2,146	1,884	1,819	1,290	7,139
PM-10 14,462	14,852	16,304	18,493	64,111
PM-2.5 2,185	10,565	12,136	12,317	37,203
Black Carbon 2,200	2,168	2,148	2,157	8,673
H2S 2,977	2,194	2,127	2,562	9,860
Special Purpose Totals 30,407	36,539	37,497	45,380	149,823
Number of Air Samples Collected (non-continuous/daily)				
PM-10 58	49	53	56	216
PM-2.5 230	218	205	210	863
PM-Coarse 49	45	49	48	191
Toxics 214	200	194	178	786
Lead 26	26	26	25	103
Compliance				
Number of days when ozone was within the 8-hour NAAQS 85	91	90	91	357
Number of total monitors demonstrating compliance	47	47	47	47
(out of 47 total)	٦,	٦,	٦,	77
Excess Emissions Monitoring				
Excess Emissions Reports 191	215	231	275	912
Excess Elilissions Reports				512
Emissions Inventory				
Billings				
Companies with Major Facilities 111	0	0	0	111

Emissions Inventory (continued)				7	
Billings (continued)	QTR 1	QTR 2	QTR 3	QTR 4	TOTAL
Companies with Major and Minor Facilities	62	0	0	0	62
Companies with Minor Facilities	473	0	0	0	473
Jan 197					
Inventories Received					
Companies	20	9	554	206	789
Facilities	35	16	2,782	2,240	5,073
A = 6	all parts				
Air Enforcement					
Notices of Violation	1	1	3	0	5
Formal Actions	2	2	3	1	8
Level III Violation Letters	3	2	6	2	13
Alternate Enforcement Letters	18	38	42	46	144
Self Disclosures Received	34	19	22	28	103
Asbestos Actions	3	0	0	4	7
Fines Paid (in thousands of dollars)	63.475	61.140	37.275	35.313	197.203
SEP Dollars (in thousands)	0.00	109.92	0.00	0	109.92
Total Number of SEPs	0	1	0	0	1
Reductions in Tons of Emissions from	025.22	0	0	0	025.22
Enforcement Actions	925.33	0	0	0	925.33
Complaints Resolved within 90 Days	11	20	16	3	50
Complaints Unresolved, but still	14	10	9	4	27
within 90 day deadline	14	10	9	4	37
Total Complaints	25	30	25	7	87
Total Facilities in significant Non-compliance*	22	24	47	47	Not
(This category is not cumulative)	23	24	17	17	Cumulative
New Facilities in significant Non-compliance	4	0	1	2	7
	The second second				لكسب ب
Air Inspections					
Monitoring Inspections (from ECLS)	0	0	0	0	0
On-Site Compliance Evaluations	55	70	85	153	363
Off-Site Compliance Evaluations	839	651	961	732	3,183
Asbestos Inspections	211	204	157	185	757
Stack Tests Observed	0	0	2	10	12
Stack Tests Reviewed	554	372	363	386	1,675
Lead Based Paint		238438		MANY SERVICE STEEL	
Lead Based Paint Certifications	1 1		2	- 1	
Inspector Pick Assessor	1	7	0	5	6
■ PICK VCCCCCUL	6	,	(1)	2/1	/1 /

Air Quality Division (continued)

Lead Based Paint (continued)					
Lead Based Paint Certifications (continued)	QTR 1	QTR 2	QTR 3	QTR 4	TOTAL
Abatement Worker	0	0	0	1	1
Supervisor	1	2	0	8	11
Project Designer	0	0	0	0	0
Firm	2	3	0	15	20
Lead Based Paint Compliance Inspections	3	13	8	18	42
Lead Based Paint Enforcement Actions	1	0	0	1	2
LBP Enforcement Actions resulting in					
LBP contractor returning to substantial	0	1	0	1	2
compliance with program requirements	· ·	'	Ŭ		
compliance with program requirements	The State of Land			100	
Load Board Brint Outreach			Mary Control	_	
Lead Based Paint Outreach		0			
Events	0	0	0	0	0
Participants	0	0	0	0	0
at a sur a sur				The second second	
Air Quality Permitting					
Construction Applications/Permits Issued					
Minor Received	56	64	52	75	247
Minor Issued	46	52	52	79	229
Major Received	4	5	5	5	19
Major Issued	4	2	4	5	15
PSD Received	1	1	1	3	6
PSD Issued	0	0	1	0	1
Operating Applications/Permits Issued					
Minor Received	239	197	179	225	840
Minor Issued	212	173	235	255	875
Major Received	20	27	21	22	90
Major Issued	13	10	19	24	66
PSD Received	0	0	0	0	0
PSD Issued	0	0	0	0	0
Title V Initials and Modifications Received	3	3	3	4	13
Title V Initials and Modifications Issued	0	1	0	1	2
Title V Renewals and Modifications Received	17	24	18	18	77
Title V Renewals and Modifications Issued	13	9	19	23	64
Acid Rain Received	0	0	0	0	0
Acid Rain Issued	3	2	0	1	6
Relocation Received	6	1	2	4	13
Relocation Issued	4	3	0	4	11
		_		_	

7074						
T0 T41						
TOTAL						
31						
0						
20						
14						
0						
1,235						
1,216						
213						
3						
0						
1						
6						
54						
Number of Title V Air Permits Passing Federal Review 7 6 19 22 54 Public Information and Education						
200						

Ozone Watches and Alerts					
Oklahoma City	0	0	1	0	1
Tulsa	0	0	0	2	2
Lawton	0	0	0	0	0
Rural Oklahoma	0	0	0	0	0
AQ Health Advisories	20	3	6	8	37
Environmental Education Events					
Conference Presentations	0	0	1	1	2
Conference Displays	0	0	0	0	0
Community Wide Events	0	3	0	1	4
Education Presentations					
K-12	0	0	0	0	0
University	0	0	1	0	1

0

156

551

Quality Assurance					
Audits					
Continuous	37	33	27	50	147
Non-Continuous	14	16	14	15	59
Interlab	3	3	3	6	15
Data Validation	316	309	303	318	1,246
Standards Certified	150	131	139	144	564
Filter Checks	67	33	85	53	238
Precision Tests	384	380	293	409	1,466

Applications Withdrawn

Community/Adult

Contacts

0

1,098

80

Environmental Complaints and Local Services Division

Environmental Complaints and Local Services					
Complaint Statistics	QTR 1	QTR 2	QTR 3	QTR 4	TOTAL
Total Spills/Complaints Received	1,156	842	973	1,392	4,363
Spills/Complaints Referred to Other Agencies	75	67	81	78	30
Total DEQ Spills/Complaints Received	1,081	775	892	1,314	4,062
Spills Received	62	60	58	89	269
Complaints Received	1,019	715	834	1,225	3,793
Publicly-Owned Wastewater Facility and Lines	45	34	38	60	177
Private Wastewater Service Lines	32	26	27	53	138
Public Water Supply	72	42	32	81	227
Fish Kills	25	2	5	20	52
Harmful Algal Bloom/Blue Green Algae	3	0	0	3	6
Unpermitted Discharge	40	10	17	25	92
Industrial Stormwater	2	4	0	0	6
Industrial Wastewater Treatment	6	0	0	3	ç
Medical Marijuana - IWW	16	11	9	14	50
Fugitive Dust	53	83	68	108	312
Air Facilities Emissions	18	17	7	8	50
Odors	30	28	32	59	149
NESHAP Violations	5	6	17	5	33
Lead Based Paint	1	0	3	0	4
Solid Waste Car Wash Sludge	1	1	0	0	2
Solid Waste Transfer Station	0	0	0	0	C
Solid Waste Landfill Operation	3	3	3	5	14
Tires	18	3	11	6	38
Hazardous Waste Facility Operation	0	0	0	0	C
Hazardous Waste Improper Disposal	1	1	0	0	2
Radiation	0	1	0	0	•
Underground Injection Control	0	0	0	0	C
Total Retention Lagoon - lagoon, collection and land application	7	4	4	7	22
On-site Sewage	184	122	159	211	676
Improperly installed on-site sewage system					
(certified installation)	4	2	2	5	13
Improperly installed on-site sewage system	22	40	22	24	0.0
(non-certified installation)	23	19	23	24	89
Aerobic system maintenance	1	2	4	5	12
(system installed 2 years or less)	·			-	
Malfunctioning aerobic system	37	15	17	32	10
Private Water Supply	11	4	2	9	26
Open Burning	94	91	96	103	384
Unpermitted Disposal of Solid Waste	197	135	201	250	783
Septage Pumpers and Haulers	6	0	3	0	9
Construction Stormwater-permit or discharge	83	47	53	128	31
Minor Water Supplies	1	0	1	1	3
Self-reported Spill/Release - Highway Remediation	0	0	0	0	THE REAL PROPERTY OF THE PARTY NAMED IN

		a Al-As	3745	in a fill	
Complaint Statistics (continued)					
Disaster Response	QTR 1	QTR 2	QTR 3	QTR 4	TOTAL
Debris Disposal Sites Registered	12	2	11	4	29
FOIA Searches	336	317	311	330	1,294
Inspections					
Air Quality – Air Inspections					
Monitoring Inspections	0	0	0	0	0
	THE SHAPE		WILL SELVE		
Waste Management – Solid Waste Inspection					
Monitoring Inspections	24	12	7	8	51
Water Quality			3 8		N. N. S.
Public Water Supply					
Monitoring Inspections	209	300	294	433	1,236
Minor Water Systems	44	114	136	138	432
Municipal Wastewater	77	117	150	100	702
Monitoring Inspections	65	67	72	104	308
Total Retention Lagoons					
Monitoring Inspections	114	96	91	103	404
Industrial Wastewater					
Monitoring Inspections	58	52	77	125	312
Stormwater					8
NOT Inspections	272	215	200	221	908
Active Permit Inspections	55	46	28	94	223
No Exposure Inspections	16	19	9	9	53
Septage Pumpers					
Inspections	12	24	190	17	243
Total number of Inspections				100 200 (Sept 1982)	4,170
Enforcement Administration					
Enforcement Actions – Unpermitted Activitie					
Notices of Violation	<u> </u>				
Open Burning	1	1	2	2	6
Open Dumping	4	3	5	2	14
Fugitive Dust	1	1	0	1	3
Surfacing Sewage	9	6	4	1	20
Minor Water System	0	0	1	0	1
Certified Installers	1	5	1	2	9
Non-Certified Installers	10	7	3	3	23
Septage Pumpers/Haulers	0	1	0	0	1
Total Retention Lagoons	1	2	1	1	5
Highway Spill Remediation	1	0	3	0	4
Certified Soil Profilers Stormwater - Construction	9	0	0	0 4	0 18
Total	9	4	1]	4	104
I VI di	NAME OF TAXABLE PARTY.	A CONTRACTOR OF THE PARTY OF TH	AND TO THE PERSON OF THE PERSO	NAME OF ADDRESS OF THE PARTY.	104

Wichita Mountains Wildlife Refuge, Oklahoma

Environmental Complaints and Local Services Division (continued)

Sunset on a prairie, Oklahoma

Enforcement Administration (continued)						
Formal Actions	QTR 1	QTR 2	QTR 3	QTR 4	TOTAL	
Open Burning	0	4	11	0	15	
Open Dumping	13	4	5	13	35	
Fugitive Dust	0	0	0	0	0	
Surfacing Sewage	18	15	16	25	74	
Certified Installers	0	0	2	0	2	
Non-Certified Installers	5	9	6	4	24	
Septage Pumpers/Haulers	0	1	0	1	2	
Total Retention Lagoons	3	6	0	6	15	
Highway Spill Remediation	1	1	0	0	2	
Minor Water System	2	1	1	0	4	
Certified Soil Profilers	0	0	0	0	0	
Stormwater - Construction	1	0	1	0	2	
Total			·		175	
Fines Paid						
Open Burning	\$0	\$0	\$2,000	\$0	\$2,000	
· · · · ·					· ,	
Open Dumping	\$0 \$0	\$0 \$0	\$0 \$0	\$167	\$167	
Fugitive Dust	-			\$0	\$0	
Surfacing Sewage	\$3,000	\$3,375	\$10,000	\$0	\$16,375	
Certified Installers	\$750	\$0	\$2,000	\$0	\$2,750	
Non-Certified Installers	\$400	\$2,350	\$1,000	\$200	\$3,950	
Septage Pumpers/Haulers	\$3,600	\$3,600	\$0	\$0	\$7,200	
Total Retention Lagoons	\$850	\$5,525	\$40,715	\$62,700	\$109,790	
Certified Soil Profilers	\$0	\$0	\$0	\$0	\$0	
Stormwater - Construction	\$0	\$0	\$500	\$1,500	\$2,000	
Total \$144,232						
Permit Administration						
ECLS Requested Services						
Private Sewage						
Soil Tests	130	100	96	108	434	
Existing System Inspections	14	12	7	14	47	
Authorizations Issued	2,761	2,446	2,328	2.656	10.191	
Alternative System Permits Issued	7	10	7	6	30	
Septage Pumpers and Haulers						
Septage Pumper Licenses Issued	15	6	79	3	103	
Highway Remediation		- 1				
Highway Remediation Licenses issued	1	24	6	0	31	
Water Quality Sharm Water Construction						
Storm Water-Construction Authorizations Issued	274	226	273	178	951	
Authorizations Terminated	359	275	155	229	1,018	
Storm Water-Industrial	27 1	44	20	24		
Authorizations Issued	27	14	26	21	88	
Authorizations Terminated	26	13	17	12	68	

Permit Administration (continued)					
Water Quality (continued)	QTR 1	QTR 2	QTR 3	QTR 4	TOTAL
Minor Water	<u> </u>	<u> </u>	41	<u> </u>	
Permits to Supply	4	1	0	3	8
Authorizations to Construct	6	1	6	3	16
Total Number of Permits/Licenses		- 1	-,	-,	12,985
Total Hamber of Fernits/ Elections	LALE FEE	THE REPORT		1235	
Technical Assistance					
Air Quality	8	8	7	8	31
BGA	1	0	0	4	5
DWSRF	0	4	2	1	7
Fish Kills	2	1	0	0	3
Hazardous Waste	6	2	3	7	18
Industrial WW	5	11	10	8	34
Solid Waste	9	9	7	8	33
Minor Water	8	4	3	6	21
Onsite Sewage	123	120	130	158	531
Private Water	24	10	16	25	75
Promote Soil Profile	29	16	21	12	78
Public Water Supply	29	28	28	30	115
Septage Hauler and Transporter	3	1	2	4	10
Spill	1	1	0	0	2
Stormwater	8	8	9	11	36
Tires	0	0	0	0	0
Total Retention Lagoon	19	8	16	18	61
Water Pollution Control	16	6	4	4	30
TOTAL	291	237	258	304	1,090
	ALCOHOL: 1	1	-		THE RESERVE TO THE RE
Individual Water Well Evaluation					
Requested Services					
Private Water					
Water Well Inspections	1	3	0	2	6
				-	THE RESERVE AND ADDRESS OF THE PARTY.
Operator Certification					
On-site System Installer Certification					
Renewal Training Attendees	5	30	90	3	128
			100		
New Certification Examinations					
Sub-surface Examinations	4	8	8	11	31
Lagoon Examinations	0	0	0	2	2
Aerobic Spray Examinations	15	4	19	16	54
Aerobic Drip Examinations	0	0	2	0	2
Low Pressure Dosing Examinations	0	0	0	0	0
C. T. D Cl C L'C L'					
Soil Profiler Certification			. 1	. 1	
Renewal Training Attendees	0	65	1	0	66
New Certifications	1	1	0	0	2

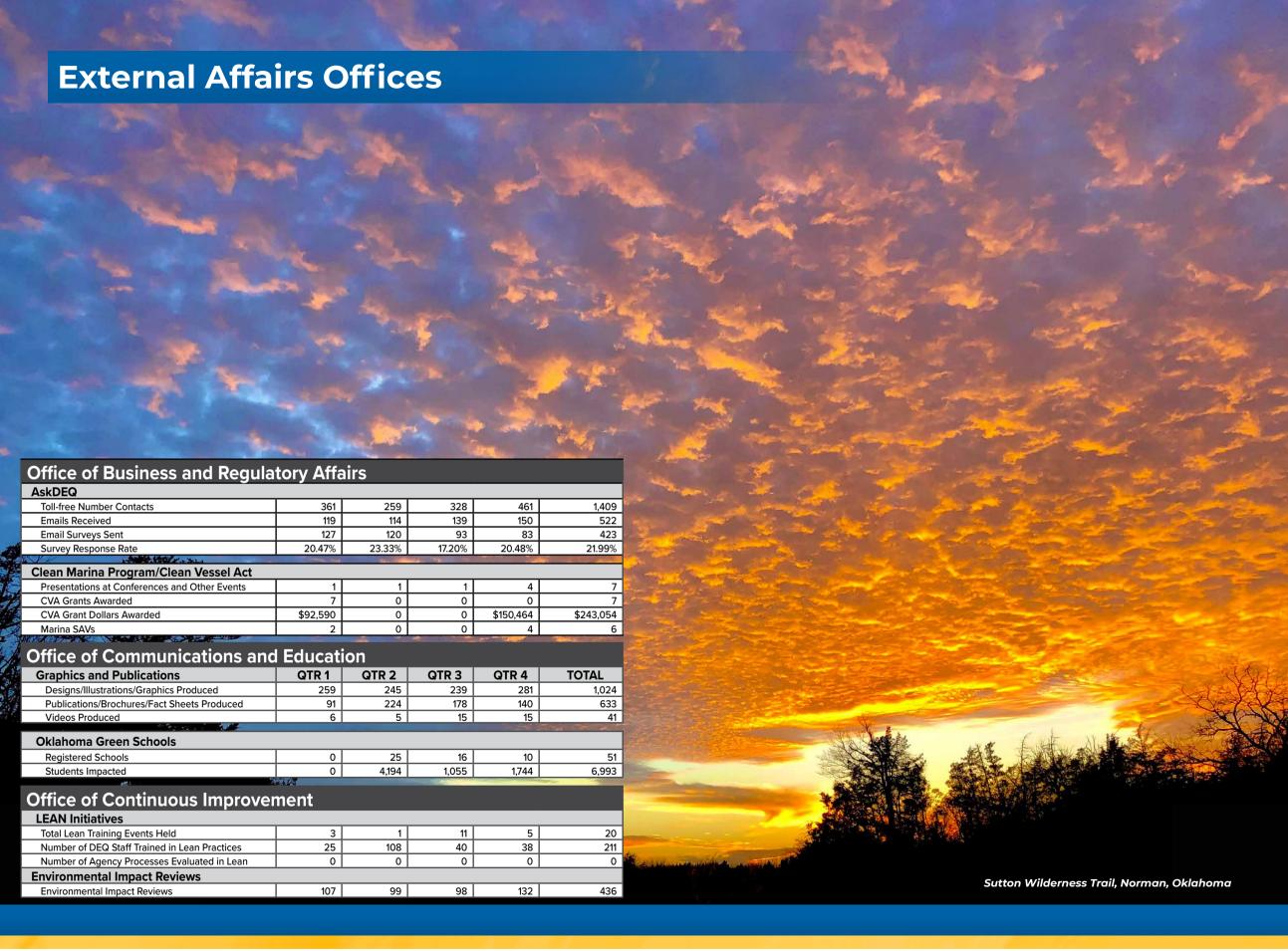
Land Protection Division ta Mountains Wildlife Refuge, Oklah QTR 1 QTR 2 TOTAL Citizen Outreach - Industrial Radiography QTR 3 QTR 4 Land Protection Division Applications processed for Industrial Radiography exams 28 19 21 Council/Rulemaking Meetings 15 5 4 25 49 Industrial Radiography exams passed TOTAL **Council Meetings** QTR 1 QTR 2 QTR 3 QTR 4 Number of Industrial Radiography Certification 15 3 12 40 70 **HWMAC Meetings/Rulemaking Hearings** Cards issued 0 0 RMAC Meetings/Rulemaking Hearings 0 **Local Government Outreach** SWMAC Meetings/Rulemaking Hearings 0 Local governments assisted with trash dump cleanup and improved recycling programs 95 Communities and non-profits assisted 54 25 187 Permit Administration with Brownfield funding Public Meetings for Permitting οl 0 0 οl 0 Dollar amount of solid waste fees reinvested in local projects \$1,608,027 **Hazardous Waste** and Restoration Permit applications/plans received 49 51 53 51 204 Brownfields 50 52 50 50 202 Permit applications/plans approved Phase I/II Targeted Site Assessments 0 0 0 0 0 0 0 **Permit Protest Hearings** Sites cleaned up using Brownfield 50 52 50 50 202 Permits approved within timelines 0 0 Revolving Loan Funds Not Percent of sites on the GPRA 2030 list at which 74% 74% 74% 77% 0 **Brownfield Certificates issued** 0 site-wide corrective action construction is complete Cumulative Superfund Preliminary assessments and site inspections completed 2 1 6 79 77 97 78 331 License applications/amendments received Number of Superfund 5-Year Reviews completed 103 66 106 93 368 License applications/amendments issued Active NPL sites 16 103 66 106 93 368 Licenses issued within timelines NPL sites in state-lead operations and maintenance **Solid Waste** Removals conducted by DEQ 0 Permit applications/plans received 126 146 246 197 715 Removals conducted by EPA with DEQ assistance 2 127 124 160 238 649 Permit applications/plans approved DOD facilities going through the CERCLA process 30 **Permit Protest Hearings** 0 0 0 0 0 **Voluntary Clean-Up Program** Permits approved within timelines 127 124 160 238 649 Contaminated sites in the VCP 105 107 Not Cumulative Contaminated sites cleaned up under the VCP 0 0 13 8 9 14 44 Permit applications/plans received **Governmental Entities** 5 36 Permit applications/plans approved 16 6 9 Governmental entities assisted with restoration **Permit Protest Hearings** 0 0 0 0 0 3 2 5 of damaged lands Permits approved within timelines 5 l 6 9 36 Percent of Permits/Licenses Approved Within Timelines Land Restoration (Continued) **Waste Tires** Citizen and Local Government Outreach Community-wide collection events held Citizen Outreach - Mercury Tires diverted from illegal dumping through and School Chemical Disposal 44,147 51,585 91,257 242,296 55,307 community-wide collection events Illegal tire dumps remediated 21 12 14 49 mercury was collected for recycling 39,644 6,044 50,260 Abandoned tires remediated from illegal dumps 2,396 2,176 Schools provided assistance with chemical disposal 15 **Tar Creek** Citizen Outreach – Radon Tons of chat from the Tar Creek Superfund Radon test kits requested by homeowners and schools 248 50.369.80 96.914.76 112.916.11 260,200,67 Site marketed Citizen Outreach - Radiation Surveys Tons of chat from the Tar Creek Superfund 2.512 13.326.10 540 276 16.654.10 Radiation surveys performed 26 23 14 12 75

Land Protection Division (continued)

Commence of the Commence of th				ALC: U	NO.
SCAP	QTR 1	QTR 2	QTR 3	QTR 4	TOTAL
Number of National Guard armories, orphan sites,					
and publicly owned properties remediated and	0	2	0	2	4
available for reuse					
All Draggers			1	A REAL PROPERTY.	
All Programs Total acres of land cleaned up or restored to beneficial	reuse				236.62
rotar acres or land cleaned up or restored to semental	rease				
Complaints					
Complaints referred to LPD	19	7	7	5	38
LPD complaints resolved	18	4	4	11	37
LPD complaints resolved within 90 days or approved extension	18	4	4	11	37
Percent of Complaints Resolved Within 90 D	ays or Appro	oved Extens	ion		100%
Inspection Programs					
Hazardous Waste					
Inspections at Oklahoma hazardous waste					
generators, transporters and non-commercial	23	12	29	14	78
disposal facilities					
Hazardous waste inspections at Oklahoma military facilities	3	0	o	1	4
Inspections at Oklahoma commercial hazardous waste disposal facilities	2	0	0	1	3
Groundwater monitoring evaluations at hazardous	0	3	0	1	4
waste disposal facilities (CME and OAM)	U	3	· ·	'	4
Dediction		E. College State	2684 _ 63490 400	Service Co.	
Radiation Inspections at Oklahoma licensees	24	26	28	39	117
inspections at Okidiona licensees	ASSISTENCE OF				AN LONG SECTION
Solid Waste					
Inspections at Oklahoma solid waste disposal facilities	47	38	25	32	142
Non-Hazardous Industrial Waste					
NHIW certifications reviewed	303	279	342	348	1,272
UIC					
Inspections at Oklahoma UIC wells	6	0	6	0	12
Used Tires		THE PARTY OF THE PARTY OF THE		Norganian Res.	
Inspections at Oklahoma used tire processors	13	13	13	13	52
Inspections at Oktaholila daed the processors Inspections at tire dealers and motor license agents	28	20	13	22	83
Total number of inspections performed					495
Enforcement Administration					
Hazardous Waste			_ 1	_	
Notices to Comply issued	2	1	5	5	13
Notices of Violation issued	0	0	0	0	0

Cattle	hard in			hille
Cattle	nera n	ı Oklul	IUITIU	111115

Enforcement Administration (continued)						
Hazardous Waste (continued)	QTR 1	QTR 2	QTR 3	QTR 4	TOTAL	
Orders issued	0	0	0	0	0	
Facilities in Significant Non-Compliance	0	0	0	0	0	
Dollar amount of fines paid	\$0	\$0	\$0	\$0	\$0	
Supplemental Environmental Projects	0	0	0	0	0	
Dollar amount of Supplemental Environmental Projects	\$0	\$0	\$0	\$0	\$0	
				and the end		
Radiation						
Notices of Violation issued	1	3	5	1	10	
Orders issued	0	0	0	0	0	
Dollar amount of fines paid	\$0	\$0	\$0	\$0	\$0	
Supplemental Environmental Projects	0	0	0	0	0	
Dollar amount of Supplemental Environmental Projects	\$0	\$0	\$0	\$0	\$0	
Solid Waste	W. Charles The Barrier	The state of the s			Market Strategy of the Co	
<u> </u>	1	2	4	2		
Notices of Violation issued	0	2	0	2	6	
Orders issued	\$0	\$0	\$0	\$0	\$0	
Dollar amount of fines paid	0	0	0	0	\$0 0	
Supplemental Environmental Projects	\$0	\$0	\$0	\$0	\$0	
Dollar amount of Supplemental Environmental Projects	\$ 0	φυ 2. ο 18.	ΦU	⊅ 0	4 0	
UIC		NAMES OF TAXABLE PARTY			AND RESIDENCE OF THE PARTY OF T	
Notices of Violation issued	0	0	1	0	1	
Orders issued	0	0	0	0	0	
Dollar amount of fines paid	\$0	\$0	\$0	\$0	\$0	
Supplemental Environmental Projects	0	0	0	0	0	
Dollar amount of Supplemental Environmental Projects	\$0	\$0	\$0	\$0	\$0	
Used Tires						
Notices of Violation issued	0	0	0	0	0	
Orders issued	1	0	0	0	1	
Dollar amount of fines paid	\$0	\$0	\$0	\$0	\$0	
Supplemental Environmental Projects	0	0	0	0	0	
Dollar amount of Supplemental Environmental Projects	\$0	\$0	\$0	\$0	\$0	
		ELANES ENESS	NOT NOT SERVICE			
Total Enforcement Actions 31						
Total Fines \$0						
Total SEPs 0						
Total SEP \$						
Sara Title III – Community Right to Know (EP						
Tier 2 Reports Filed	1,261	600	48,169	819	50,849	
Toxic Release Reports Filed	362	0	0	0	362	
Industry Request for Guidance	515	585	4,014	1,374	6,488	
CAMEO/Submit Instruction/Presentations	1	3	11	1	16	
LEPC Meetings Attended	1	3	5	4	13	
EPA Inspections Attended	0	0	0	0	0	



State Environmental Laboratory Services

State Environmental Laboratory Services Division Workload and Customer Support Laboratory Tests Performed (by customer) SDWA OWRB 11,500 Private 9,100 Lab Priority 400 DEQ 3,700 Contractual 900 PDES 600 SELS 1,300 Total 45,600 **Proficiency Testing** Double Blind Studies 34 Tests Performed 334 **Analyte Determinations** 1,764 Overall Success Rate 99.1% **Customer Support Board and Council Meetings Technical Assistance Events** 15,000 **Targeted Outreach Events** 36 Lab Tours 4 Social Media Posts 224 New/Updated Online Services 0 Sample Kits Provided 15,000 Sample Collection Events 141 Fish Consumption Advisories Reviewed 244 Fish Consumption Advisories Issued 65 Fish Consumption Advisories Added 3 New Programs New Rules Staffing, Training and Competency 56 12 7 Full Time Employees Turnover New Hires

Wichita Mountains Wildlife Refuge, Oklahoma

Staffing, Training and Competency (continued)	
Current Vacancies	5
Average Experience of Staff (years)	10.1
Lean Training Events	2
Lean Projects	4
Ethics Training Events	62
Documented Staff Trainings	1088
Professional Meetings and Conferences	42
Demonstrations of Capabilities (DOC)	53
Laboratory Scope and Capacity	
Testing Methods in Production	102
New Methods Developed	3
Technologies in Production	40
New Technologies Implemented	1
LIMS Enhancements	176
New Certifications/Accreditations	1
New/Replacement Instruments	3
New/Replacement Equipment	7
Overall Replacement Cost (all assets)	\$6,700,000
Overall Lab Capacity	36%
Quality System	
Procedures Reviewed and Revised	60
External Audits	2
Internal Audits	6
Process Improvements Opened	29
Process Improvements Closed	16
Customer Feedback Received	11
Complaints Received	0
New Areas of Accreditation	1
	THE PARTY OF THE P
Laboratory Accreditation Program	
New Applications received	141
On-Site Assessments	22
Virtual Assessments	16
Certifications Issued	177
Number of Withdrawals/Revocations	10

Water Quality Division

Public Water Supply
TMDL
TMDLs Started
TMDLs Completed
Date Management Groundwater
Data Management Groundwater
Data Management Groundwater
Sites With GPS Correction
Sites With GPS Correction 2
Public Water Supply
Boil Advisories
Boil Advisories
Boil Advisories
Consent/Final Orders
Fines Paid
Supplemental Environmental Projects
TOTAL number of SEPs
Notices of Violation 32 14 35 25 106
Notices of Violation 32
Notices of Violation 32
Consent/Final Orders 7 6 14 8 35 Fines Paid \$11,400 \$17,937 \$51,203.34 \$78,333.34 \$158,873.68 Supplemental Environmental Projects \$0 \$135,325 \$0 \$10,000 \$145,325 TOTAL number of SEPs \$0 \$1 \$0 \$1 2 Industrial Wastewater Notices of Violation \$9 7 \$11 \$14 \$41 Consent/Final Orders \$2 3 2 \$1 \$8 Fines Paid \$625 \$6,187 \$1,250 \$625 \$8,687 Supplemental Environmental Projects \$0 \$0 \$0 \$0 \$0 TOTAL number of SEPs \$0 \$0 \$0 \$0 \$0 \$0 Storm Water Notices of Violation \$2 \$0 \$2 \$41 \$45 Consent/Final Orders \$0 \$0 \$0 \$5 \$5 Fines Paid \$0 \$0 \$0
Fines Paid \$11,400 \$17,937 \$51,203.34 \$78,333.34 \$158,873.68 Supplemental Environmental Projects \$0 \$135,325 \$0 \$10,000 \$145,325 TOTAL number of SEPs 0 1 0 1 2 Industrial Wastewater Notices of Violation 9 7 11 14 41 Consent/Final Orders 2 3 2 1 8 Fines Paid \$625 \$6,187 \$1,250 \$625 \$8,687 Supplemental Environmental Projects \$0 \$0 \$0 \$0 \$0 TOTAL number of SEPs 0 0 0 0 0 0 0 Storm Water Notices of Violation 2 0 2 41 45 Consent/Final Orders 0 0 0 5 5 Fines Paid \$0 \$0 \$0 \$7,750 \$7,750 Supplemental Environmental Projects \$0 \$0 </td
Supplemental Environmental Projects
TOTAL number of SEPs
Notices of Violation
Notices of Violation 9 7 11 14 41 Consent/Final Orders 2 3 2 1 8 Fines Paid \$625 \$6,187 \$1,250 \$625 \$8,687 Supplemental Environmental Projects \$0 \$0 \$0 \$0 \$0 TOTAL number of SEPs 0 0 0 0 0 0 0 Storm Water Notices of Violation 2 0 2 41 45 Consent/Final Orders 0 0 0 5 5 Fines Paid \$0 \$0 \$0 \$7,750 \$7,750 Supplemental Environmental Projects \$0 \$0 \$0 \$0 \$0 TOTAL number of SEPs 0 0 0 0 0 0
Consent/Final Orders 2 3 2 1 8 Fines Paid \$625 \$6,187 \$1,250 \$625 \$8,687 Supplemental Environmental Projects \$0 \$0 \$0 \$0 TOTAL number of SEPs \$0 \$0 \$0 \$0 Storm Water Notices of Violation \$2 \$0 \$2 41 45 Consent/Final Orders \$0 \$0 \$0 \$5 \$5 Fines Paid \$0 \$0 \$0 \$7,750 \$7,750 Supplemental Environmental Projects \$0 \$0 \$0 \$0 \$0 TOTAL number of SEPs \$0 \$0 \$0 \$0 \$0 \$0
Fines Paid \$625 \$6,187 \$1,250 \$625 \$8,687 Supplemental Environmental Projects \$0 \$0 \$0 \$0 TOTAL number of SEPs \$0 \$0 \$0 \$0 Storm Water Notices of Violation \$2 \$0 \$2 41 45 Consent/Final Orders \$0 \$0 \$0 \$5 \$5 Fines Paid \$0 \$0 \$0 \$7,750 \$7,750 Supplemental Environmental Projects \$0 \$0 \$0 \$0 TOTAL number of SEPs \$0 \$0 \$0 \$0 Inspections \$0 \$0 \$0 \$0
Supplemental Environmental Projects \$0 \$0 \$0 \$0 TOTAL number of SEPs 0 0 0 0 0 Storm Water Notices of Violation 2 0 2 41 45 Consent/Final Orders 0 0 0 5 5 Fines Paid \$0 \$0 \$0 \$7,750 \$7,750 Supplemental Environmental Projects \$0 \$0 \$0 \$0 TOTAL number of SEPs 0 0 0 0 0 Inspections 0 0 0 0 0 0
TOTAL number of SEPs 0 0 0 0 0 Storm Water Notices of Violation 2 0 2 41 45 Consent/Final Orders 0 0 0 5 5 Fines Paid \$0 \$0 \$0 \$7,750 \$7,750 Supplemental Environmental Projects \$0 \$0 \$0 \$0 TOTAL number of SEPs 0 0 0 0 0 Inspections 0 0 0 0 0 0
Storm Water Notices of Violation 2 0 2 41 45 Consent/Final Orders 0 0 0 5 5 Fines Paid \$0 \$0 \$0 \$7,750 \$7,750 Supplemental Environmental Projects \$0 \$0 \$0 \$0 TOTAL number of SEPs 0 0 0 0 0 Inspections 0 0 0 0 0 0
Storm Water Notices of Violation 2 0 2 41 45 Consent/Final Orders 0 0 0 5 5 Fines Paid \$0 \$0 \$0 \$7,750 \$7,750 Supplemental Environmental Projects \$0 \$0 \$0 \$0 TOTAL number of SEPs 0 0 0 0 0 Inspections
Notices of Violation 2 0 2 41 45 Consent/Final Orders 0 0 0 5 5 Fines Paid \$0 \$0 \$0 \$7,750 \$7,750 Supplemental Environmental Projects \$0 \$0 \$0 \$0 TOTAL number of SEPs 0 0 0 0 0
Consent/Final Orders 0 0 5 5 Fines Paid \$0 \$0 \$0 \$7,750 \$7,750 Supplemental Environmental Projects \$0 \$0 \$0 \$0 \$0 TOTAL number of SEPs 0 0 0 0 0 0 Inspections
Supplemental Environmental Projects \$0 \$0 \$0 \$0 TOTAL number of SEPs 0 0 0 0 0 0 Inspections 0 0 0 0 0 0 0
TOTAL number of SEPs 0 0 0 0 0 0 0 Inspections
Inspections
Dublic Water Comple
Public Water Supply
Monitoring Inspections (from ECLS) 209 300 294 433 1,236
Municipal Wastewater
Monitoring Inspections (from ECLS) 65 67 72 104 308
Pretreatment Compliance 20 0 0 19 39
Pretreatment Audits 7 0 1 2 10
Compliance Evaluation Inspections 1 24 18 23 66
Compliance Sampling Inspections 0 0 1 0 1

Broken Bow Lake, Oklahoma

				TOTAL		
	-			312		
				50		
0	0	0	1	1		
5	29	13	16	63		
272	215	200	221	908		
55	46	28	94	223		
16	19	9	9	53		
nations						
1	250	185	223	946		
				787		
				170		
24	39	37	31	131		
•						
ling						
454	11.1	140	120	539		
				565		
				12		
				14		
				300		
98	6/	/8	82	325		
Municipal Wastewater Applications/Permits Issued Discharge Applications Received 10 8 19 18 55						
10	8	19	18	55		
14	16	15	11	56		
Industrial Wastewater Applications/Individual Permits Issued						
i i	1	6	4	26		
				18		
				10		
				951		
27	14	155	229	425		
Other Industrial General Permits						
3	3	0	3	9		
3	3	1	3	10		
6	2	1	1	10		
	5	0	2	31		
Louis Laboratoria						
	ا م		4= 1			
	6	2	15	23		
			_ 1			
0	5	3	6	14		
		13	8	40		
	272 55 16 16 nations 288 223 21 24 ting 151 149 3 9 94 98 ssued 10 14 14 14 27 274 27 3 3 3 3	58	58	SS		



